

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Michael S. Brown, et al.

Serial No.: Unknown

Filed: Concurrently Herewith

For: METHOD OF TREATMENT OF A
HUMAN WITH A FARNESYL
TRANSFERASE INHIBITOR

Group Art Unit: Unknown

Examiner: Unknown

Atty. Dkt. No.: UTSD:249USC1/DLP

PATENT

1c971 U.S. PTO
10/083894

02/27/02

CERTIFICATE OF EXPRESS MAIL

NUMBER EL611000113US

DATE OF DEPOSIT September 19, 2000

I hereby certify that this paper or fee is being deposited with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.

Signature

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

In accordance with 37 C.F.R §§ 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be

an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

This application is a continuation application of Serial No. 07/937,893, filed December 22, 1992 and is relied upon for an earlier filing date under 35 U.S.C. § 120. In accordance with Rule 37 C.F.R. § 1.98(d) copies of the listed documents are not enclosed as they have been previously cited by or submitted to the Patent and Trademark Office in prior application Serial No. 07/937,893.

REMARKS

This paper is also filed to bring to the Examiner's attention a family of related applications which are currently undergoing examination in the Patent and Trademark Office, have been issued as a US patent or have been abandoned. Applicants wish to disclose this information for the convenience of the Examiner in considering the present application.

The status of the applications believed to be relevant to the present discussions are set forth below in Table I.

Table I. Status of the Applications


Serial or Patent No.	Filing Date / Issue Date	Inventors	Status	History
07/510,706	Apr. 18, 1990	Brown, Goldstein & Reiss	Abandoned	Parent
5,141,851	Nov. 20, 1990 / Aug. 25, 1992	Brown, Goldstein & Reiss	Issued	CIP of 07/510,706
07/937,893 PCT/US91/02650	Apr. 18, 1991	Brown, Goldstein & Reiss	Pending – Involved in Interference No. 103,586	CIP of 07/510,706
07/822,011	Jan. 16, 1992	Brown, Goldstein & Reiss	Abandoned	CIP of 07/510,706
5,420,245	Apr. 3, 1992 / May 30, 1995	Brown, Goldstein & Reiss	Issued	DIV of 07/822,011

6,083,917	Aug. 24, 1992 / July 4, 2000	Brown, Goldstein, Reiss & Marsters	Issued	CIP of 07/822,011
5,976,851	Feb. 16, 1993 / Nov. 2, 1999	Brown, Goldstein & Reiss	Issued	CIP of 07/822,011
5,962,243	Apr. 27, 1995 / Oct. 5, 1999	Brown, Goldstein & Guy	Issued	
5,843,941	Sept. 26, 1994 Dec.1, 1998	Marsters, Brown, Goldstein et al.	Issued	Unrelated to 07/822,011, but to related subject matter
5,532,359	Oct. 25, 1994 / July 2, 1996	Marsters, Brown, Goldstein et al.	Issued	Unrelated to 07/822,011, but to related subject matter

This Information Disclosure Statement is being filed prior to the receipt of the First Official Action reflecting an examination on the merits, and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees be deemed necessary, the Commissioner is hereby authorized to deduct said fees from Fulbright & Jaworski Deposit Account No. 50-1212/UTSD:249USC1/DLP.

Applicants respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,



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Reg. No. 32,165
Attorney for Applicant

FULBRIGHT & JAWORSKI, L.L.P.
600 Congress Avenue, Suite 1900
Austin, Texas 78701
(512) 418-3000

Date:

9/19/00

Form PTO-1449 (modified) List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Atty. Docket No. UTSD: 249USC1	Serial No. UNKNOWN
	Applicant Michael S. Brown et al.	
	Filing Date: 9/14/00	Group: UNKNOWN

Jc971 U.S. PTO
 10/083894
 02/27/02

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1	5,532,359	07/02/96	Marsters, Jr. et. al.	540	522	10/25/94
	A2	6,083,917	07/04/00	Brown, et. al.	514	18	08/24/92
	A3	5,976,851	11/02/99	Brown, et. al.	435	193	02/16/93
	A4	5,962,243	10/05/99	Brown, et. al.	435	15	04/27/95
	A5	5,843,941	12/01/98	Marsters, Jr., et. al.	514	221	09/26/94
	A6	5,420,245	05/30/95	Brown, et. al.	530	328	04/03/92
	A7	5,141,851	08/25/92	Brown, et. al.	435	15	11/20/90

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						
	B2						
	B3						

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	
	C2	
	C3	

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

(Use several sheets if necessary)

SERIAL NO.
Unknown

APPLICANT
Michael S. Brown et al.

FILING DATE	9/19/00	GROUP	Unknown
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Form PTO-1449 (modified)

ATTY. DOCKET NO.
UTSD:249USD1 /PARSERIAL NO.
UnknownList of Patents and Publications
For Applicant's Information
Disclosure StatementAPPLICANT
Michael S. Brown et al.

(Use several sheets if necessary)

FILING DATE 9/14/00

GROUP
Unknown

U.S. PATENT DOCUMENTS

EXAM. INIT.	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A9	5,245,061	09/14/93	Sheo B. Singh	554	121	12/16/91

FOREIGN PATENT DOCUMENTS

EXAM. INIT.	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

OTHER ART (Author, Title, Journal, Volume, Pertinent Pages, & Date)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement--PTO-1449 (Modified)

Form PTO-1449 (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)	ATTY. DOCKET NO.	SERIAL NO.
	UTSD:249USD1 /PAR	Unknown
	APPLICANT Michael S. Brown et al.	
	FILING DATE 9/19/00	GROUP Unknown

U.S. PATENT DOCUMENTS

EXAM. INIT.	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A6	5,104,975	04/14/92	McCormick et al.	530	350	07/08/88
	A7	5,234,839	08/10/93	McCormick et al.	436	501	03/20/91
	A8	5,238,922	08/24/93	Graham et al.	514	18	09/30/91

FOREIGN PATENT DOCUMENTS

EXAM. INIT.	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

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	APPLICANT Brown, et al.	
	FILING DATE 9/19/00	GROUP ART UNIT Unknown

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

EXAM. INIT.	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
	B2	0 535 731	04/07/93	Europe			
	B3	0 535 730	04/07/93	Europe			
	B4	0 528 486	02/24/93	Europe			
	B5	0 523 873	01/20/93	Europe			
	B6	0 520 823	12/30/92	Europe			
	B7	2 261 375	05/19/93	UK			
	B8	2 261 374	05/19/93	UK			
	B9	2 261 373	05/19/93	UK			

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

✓	C24	Nancy E. Kohl, et al., "Selective Inhibition of ras-Dependent Transformation by a Farnesyltransferase Inhibitor", Science, 260:1934-1937 (1993)

EXAMINER

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	APPLICANT Brown et al.	
	DATE <u>9/19/00</u>	FILING GROUP Unknown

U.S. PATENT DOCUMENTS

EXAM. INIT.	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A5	5,202,456	04/13/93	Rando	558	438	

FOREIGN PATENT DOCUMENTS

EXAM. INIT.	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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	APPLICANT Brown et al.	
	INTERNATIONAL FILING DATE 9/19/00	GROUP Unknown

U.S. PATENT DOCUMENTS

EXAM. INIT.	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A1	5,043,268	1991	Stock			
	A2	5,055,487	10/8/91	Bartizal, et al.	514	452	
	A3	5,026,554	06/25/91	Bartizal, et al.	424	404	

FOREIGN PATENT DOCUMENTS

EXAM. INIT.	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
	B1	0 456 180 A1	11/13/91	EUROPE			

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	C1	Clarke et al., "Posttranslational modification of the Ha-ras oncogene protein: Evidence for a third class of protein carboxyl methyltransferases," <i>Proc. Natl. Acad. Sci. USA</i> , <u>85</u> :4643-4647, 1988
	C2	Hancock et al., "All ras Proteins Are Polyisoprenylated but Only Some Are Palmitoylated," <i>Cell</i> , <u>57</u> :1167-77, 1989
	C3	Schafer et al., "Genetic and Pharmacological Suppression of Oncogenic Mutations in RAS Genes of Yeast and Humans," <i>Science</i> , <u>245</u> :379-385, 1989
	C4	Bos, "ras Oncogenes in Human Cancer: A Review," <i>Cancer Research</i> , <u>49</u> :4682-4689, 1989
	C5	Lowy et al., "New Clue to Ras lipid glue," <i>Nature</i> , <u>341</u> :384-85, 1989
	C6	Casey et al., "p21ras is modified by a farnesyl isoprenoid," <i>Proc. Natl. Acad. Sci. USA</i> , <u>86</u> :8323-8327, 1989
	C7	Goldstein et al., "Regulation of the mevalonate pathway," <i>Nature</i> , <u>343</u> :425-430, 1990
	C8	Schaber et al., "Polyisoprenylation of Ras in Vitro by a Farnesyl-Protein Transferase," <i>J. of Biol. Chem.</i> , <u>265</u> :14701-14704, 1990
	C9	Manne et al. "Identification and preliminary characterization of protein-cysteine farnesyltransferase," <i>Proc. Natl. Acad. Sci. USA</i> , <u>87</u> :7541-7545, 1990

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

C10	Reiss et al., "Inhibition of Purified p21ras Farnesyl:Protein Transferase by Cys-AAX Tetrapeptides," <i>Cell</i> , 62:81-88, 1990
C11	Reiss et al., "Sequence requirement for peptide recognition by rat brain p21ras protein farnesyltransferase," <i>Proc. Natl. Acad. Sci. USA</i> , 88:732-736, 1991
C12	Chen, et al., "cDNA Cloning and Expression of the Peptide-Binding β Subunit of Rat p21ras Farnesyltransferase, the Counterpart of Yeast DPR1/RAM1," <i>Cell</i> , 66:327-334, 1991
C13	Goldstein, et al., "Nonfarnesylated Tetrapeptide Inhibitors of Protein Farnesyltransferase," <i>J. Biol. Chem.</i> , 266(24):15575-15578, 1991
C14	Goodman, et al., "Structure and Expression of Yeast DPR1, a Gene Essential for the Processing and Intracellular Localization of ras Proteins," <i>Yeast</i> , 4:271-281, 1988
C15	Goodman, et al., "Mutants of <i>Saccharomyces cerevisiae</i> defective in the farnesylation of Ras proteins," <i>Proc. Natl. Acad. Sci. USA</i> , 87:9665-9669, 1990
C16	Schaber, et al., "Polyisoprenylation of Ras in vitro by a farnesyl-protein transferase," <i>Chem. Abstr.</i> , 114:302, Abstract # 38170r, 1991
C17	Kim, et al., "Prenylation of mammalian Ras protein in <i>Xenopus</i> oocytes," <i>Chem. Abstr.</i> , 114:373, Abstract # 3711r, 1991
C18	Kohl et al., "Structural Homology among Mammalian and <i>Saccharomyces cerevisiae</i> Isoprenyl-protein Transferases," <i>J. Biol. Chem.</i> , 266(28):18884-18888, 1991

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

C19	He et al., "RAM2, an essential gene of yeast, and RAM1 encode the two polypeptide components of the farnesyltransferase that prenylates a-factor and Ras proteins," <i>Proc. Natl. Acad. Sci. USA</i> , <u>88</u> :11373-11377, 1991
C20	International Search Report
C21	Reiss, et al., "Divalent Cation and Prenyl Pyrophosphate Specificities of the Protein Farnesyltransferase from Rat Brain, a Zinc Metalloenzyme," <i>J. Biol. Chem.</i> , <u>267</u> :6403-6408, 1992
C22	Seabra, et al., "Protein Farnesyltransferase and Geranylgeranyl transferase Share a Common α Subunit," <i>Cell</i> , <u>65</u> :429-434, 1991
C23	Reiss, et al., "Purification of ras Farnesyl:Protein Transferase," <i>Methods: A Companion to Methods in Enzymology</i> , <u>1(3)</u> :241-245, 1990

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